

[00030] Fig. 11~~A~~ shows another top view of a three-layer sealing cover used to seal a well plate comprising a plurality of containers.

#### DETAILED DESCRIPTION OF EMBODIMENTS OF THE INVENTION

[00031] Referring now to Figures 1 and 2, which show a top and a side view along the I-II plane of a cover 4 according to a first embodiment of the present invention. The cover is formed as a foil 4. The foil covers a container 1 for a liquid and is connected to that container. The container 1 is part of a well plate not shown here. The container 1 is formed as a cone with a radius R on its upper side, which is indicated in Figure 1 as a ring. The radius R of the container 1 is larger than any dimension of the recloseable opening of the foil 3. Opening the cover 4 or foil respectively will allow access to a liquid placed in the container 1.

[00032] The foil 4 comprises a top foil layer 2. The top foil layer 2 comprises a recloseable aperture 24 arranged directly over a second recloseable aperture 34 of a bottom foil layer 3. Both recloseable apertures 24 and 34 are structures as flaps.

[00033] The aperture 24 is formed by two parallel cuts 21 in the foil layer 2 and a slightly U-shaped cut mainly perpendicular to both cuts 21. Furthermore the recloseable aperture 24 of the top foil layer 2 comprises a bending axis 25. The foil layer material forming the aperture 24 bends along the line 25 when pushed down or pulled up. The bending axis 25 as indicated by the dashed line is also slightly U-shaped in order to generate tension when pushed down. The bending fold axis 25 is formed automatically, if three sides are cut. However, in this embodiment the top foil layer is slightly slit along the line 25 in order to form a preferred bending axis. The tension automatically recloses the aperture, when the top foil layer 2 in the area 24 is pushed down and released. The cuts in the foil layer are produced by a laser induced cutting process, resulting in very small gaps between the foil layer in area 24 and the surrounding foil layer. Instead of laser induced cutting, different method like micro stamping or other alternatives can be used. The cuts produced by such methods are too small to allow greater amounts of air flowing through those gaps.

[00034] The top layer 2 is bonded onto a bottom layer 3. The bottom layer 3 also comprises a recloseable aperture 34, which comprises a larger area than the